This is a preview of our planned schedule. We will update this schedule as we go. This page should faithfully describe the past, but it won't always accurately predict the future.

MWF 3:00 - 4:20 PM in Gates B1 (basement level), recordings posted to Canvas for later asynchronous viewing.

1	**MAR 31** Introduction, Set Theory *Syllabus*, *Honor Code*, *Mathematical Prerequisites*, *Guide to Elements and Subsets*	**APR 2** Mathematical Proofs *Guide to Proofs*, *Guide to Partners*	**APR 4** Indirect Proofs *Proofwriting Checklist*, *Guide to Office Hours*, *Guide to LaTeX*	Assignment 0.
2	**APR 7** Propositional Logic	**APR 9** First-Order Logic, Part I	**APR 11** First-Order Logic, Part II *Guide to Negation*, *Guide to Logic Translation*, *Translation Checklist*	Assignment 1.
3	**APR 14** Functions, Part I	**APR 16** Functions, Part II *Guide to Proofs on Discrete Structures*	**APR 18** Set Theory Revisited *Discrete Structures Proofwriting Checklist*, *Guide to Proofs on Sets*	Assignment 2.
4	**APR 21** Graphs, Part I	**APR 23** Graphs, Part II	**APR 25** Graphs, Part III	Assignment 3.
5	**APR 28** Mathematical Induction, Part I	**APR 30** Mathematical Induction, Part II *Guide to Induction*, *Induction Proofwriting Checklist*	**MAY 2** Finite Automata, Part I	Assignment 4.
6	**MAY 5** Finite Automata, Part II	**MAY 7** Finite Automata, Part III *Guide to the Subset Construction*	**MAY 9** Regular Expressions *Guide to Regular Expressions*, *Guide to State Elimination*	Assignment 5.
7	**MAY 12** Nonregular Languages *Guide to the Myhill-Nerode Theorem*	**MAY 14** Context-Free Languages *Guide to CFGs*	**MAY 16** Turing Machines, Part I	Assignment 6.
8	**MAY 19** Turing Machines, Part II	**MAY 21** Turing Machines, Part III	**MAY 23** Unsolvable Problems, Part I	Assignment 7.
9	**MAY 26** *No Class*	**MAY 28** Unsolvable Problems, Part II *Guide to Self-Reference*, *Guide to the Lava Diagram*	**MAY 30** Complexity Theory, Part I	Assignment 8.
10	**JUN 2** Complexity Theory, Part II	**JUN 4** Where to Go from Here *Timeline of Results*	**JUN 6** *No Class*	Assignment 9.

Website programming by Julie Zelenski with minor edits by Keith Schwarz and Sean Szumlanski. This page last updated 2025-Apr-01.